

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

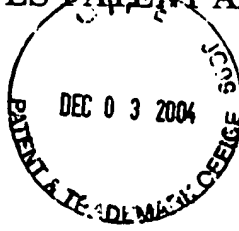
In re Patent Application of

Jones, Michael D.

Serial No. Unassigned

Filed: December 16, 1999

For: PROCESS FOR THE PRODUCTION OF CARBOXYLIC  
ACID



Atty. Ref.: 608-180

Group:

Examiner:

#5/  
ADA

\* \* \* \* \*

December 16, 1999

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

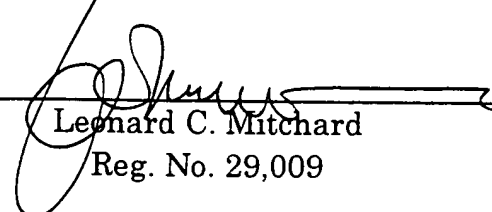
Attached is a completed Form PTO-1449 listing references in connection with this application. Also enclosed is a copy of each of those references, along with the International Search Report.

The Examiner is requested to initial the attached PTO-1449, and to return a copy of the initialed document to the undersigned as an indication that the listed references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: \_\_\_\_\_

  
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INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

608-180

APPLICANT

Jones, Michael D

FILING DATE

December 16, 1999

SERIAL NO.

Unassigned

GROUP

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,328,125	5/4/82	Drago et al			
	4,874,558	10/17/89	Fife et al			
	5,155,261	10/13/92	Marston et al			
	5,364,963	11/15/94	Minami et al			
	5,360,929	11/1/94	Watson et al			
	4,628,113	12/9/86	Current			
	4,625,049	11/25/86	Current			
	5,334,755	8/2/94	Yoneda et al			

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 250 189 A1	12/23/87	EP			
0 759 416 A1	2/26/97	EP			
94/05423	3/17/94	WO			
0 250 189 A1	12/23/87	EP			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Derwent Abstract 97-435993, "Imidazole(s)-rhodium catalyst and its preparation," XP-002077608.
	Dazhi et al, Appl. No. 95104298.x, "Imidazole-type Polymeric Rhodium...", (1996).
	Yuan et al, "Preparation and Catalytic Activities of...", Organomet- Compd-Synth., Struct. Theory, pp. 244-259.
	Halttunen et al, "Liquid phase methanol hydrocarbonylation with homogeneous...", Journ. of Mol. Catalysis A: Chemical, 109 pp. 209-217 (1996).
	Tempesti et al, "C <sub>2</sub> + Carboxylic acids by catalytic carbonylation..." Chemistry & Industry, pp. 548-549 (1991).
	WPIDS Abstract 1994-362746, "Reactor for catalytic reaction using circulating..."
	WPIDS Abstract 1996-045336, "Mfg. organic carboxylic acids with small iodide content..."
	WPIDS Abstract 1994-316511, "Acetic anhydride preparation using solid catalyst..."
	WPIDS Abstract 1998-315295, "Production of acetic acid - where concentration of rhodium complex..."
	Yuan et al, "A Novel Copolymer - Bound <i>Cis</i> -Dicarbonylrhodium Complex...", Chinese Journal of Polymer Science, "Vol. 7, No. 3, pp. 219-224 (1989).
	Yuan et al, "Kinetic Study of Carbonylation of Methanol to Acetic Acid and Acetic...", Chinese Journal of Polymer Science, "Vol. 7, No. 3, pp. 225-231 (1989).
	ACS Abstract CA113(9):77425b, "Synthesis, structure and catalytic activity of a series ..."
	ACS Abstract CA110(22):195043m, "Structure and catalytic activity of ***rhodium*** complex..."

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)